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36-3504: Anti-CD6 (Negative Marker of T-regulatory Cells) Monoclonal Antibody(Clone: C6/2884R)

Clonality :	Monoclonal
Clone Name :	C6/2884R
Application :	FACS,IF,IHC
Reactivity :	Human
Gene :	CD6
Gene ID :	923
Uniprot ID :	P30203
Alternative Name :	T12; TP120
Isotype :	Rabbit IgG
Immunogen Information :	Human recombinant full-length CD6 protein

Description

CD6 is a type I transmembrane glycoprotein that contains a 24-amino acid signal sequence, three extracellular scavenger receptor cysteine-rich (SRCR) domains, a membrane-spanning domain and a 44-amino acid cytoplasmic domain. The CD6 glycoprotein is tyrosine phosphorylated during TCR-mediated T cell activation. CD6 is present on mature thymocytes, peripheral T cells and a subset of B cells. Antibodies to CD6 are used to deplete T cells from bone marrow transplants to prevent graft versus host disease.

Product Info

Amount :	20 µg / 100 µg
Content :	200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage condition :	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

Application Note

Flow Cytometry (1-2ug/ml); Immunofluorescence (1-2ug/ml);,Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes);

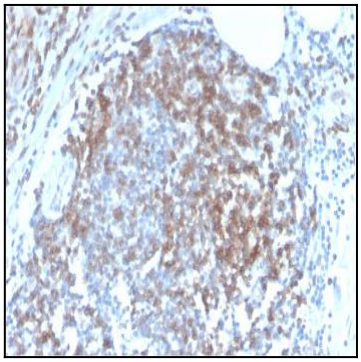


Fig. 1: Formalin-fixed, paraffin-embedded human Tonsil stained with CD6 Rabbit Recombinant Monoclonal Antibody (C6/2884R).

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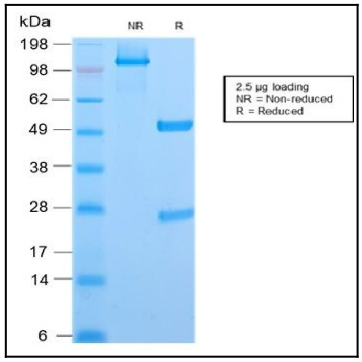


Fig. 2: SDS-PAGE Analysis Purified CD6 Rabbit Recombinant Monoclonal Antibody (C6/2884R). Confirmation of Purity and Integrity of Antibody.

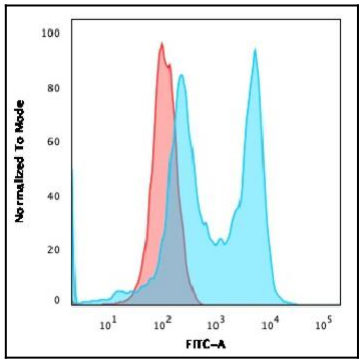


Fig. 3: Flow Cytometric Analysis of MOLT-4 cells. CD6 Rabbit Recombinant Monoclonal Antibody (C6/2884R) followed by goat anti-rabbit IgG-CF488 (Blue); Isotype control (Red).

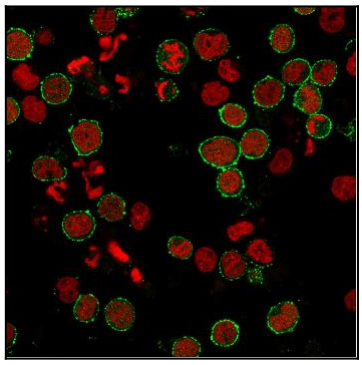


Fig. 4: Immunofluorescence staining of MOLT-4 cells using CD6 Rabbit Recombinant Monoclonal Antibody (C6/2884R) followed by goat anti-rabbit IgG conjµgated to CF488 (green). Nuclei are stained with Reddot.

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